Summary of Tier 1 and Tier 2 Results Under January 22, 2002 Proposed Order

Month	Tier 1	Tier 2	Total
October 2000	$ 2,508,300	n/a	$ 2,508,300
November 2000	$ 2,649,200	$ 3,621,900	$ 6,271,100
December 2000	$ 3,472,900	$ 4,509,900	$ 7,982,800

01-0120

ALJ

2. Public
Late Filed

2/28/02

Summary of Revisions Made

To Calculate Results Under January 22, 2002 Proposed Order

Methodology Under Existing Plan	Methodology Under Proposed Order
Z-values computed for "parity tests" between retail and CLEC data.	Z-values computed for parity tests based on comparison of CLEC data to retail or affiliate data, whichever is "better." (Proposed Order, at 27.)
Critical z-value taken from table in plan and based on number of tests for applicable CLEC.	Critical z-value set at 1.645 for all parity tests. (Proposed Order, at 21.)
Z-value for certain "benchmark" measures is compared to critical z-value taken from table in plan.	Critical z-value for all benchmark measures is set at zero. (Proposed Order, at 29; Attachment A, § 4.1.)
Remedy amount calculated by multiplying number of "occurrences" by remedy base amount taken from table in remedy plan.	All Tier 1 base amounts doubled, all Tier 2 base amounts tripled. (Proposed Order, at 34.)
Remedies not owed until number of apparent test failures for CLEC exceeds threshold set forth in "K table."	No "K" threshold applied. (Proposed Order, at 21.)
Performance measures 32, 49, 54, 62, and 68 subject to Tier 1 remedies, not Tier 2.	Tier 2 payments assessed for performance measures 32 (Medium), 49 (Medium), 54 (Low), 62 (Medium), 68 (Medium). (Proposed Order, at 47.)
Performance Measure 68 classified as "emerging market" measure in business rules, but not in remedy plan.	Performance Measure 68 is classified as "emerging market" measure subject to tripling of Tier 2 payments when sample sizes are small. (Proposed Order, at 47.)
Permutation tests applied for parity tests with fewer than 30 observations, where data available, from November 2000 onward.	Permutation tests applied from September 2000 onward.

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 1, All CLECs) Oct - Dec 2000

Month	PM	Submeasure	Tracking	Geographic Disaggregation	CLEC ID	CLEC Numerator	CLEC Denominator	Actual CLEC Performance	Retail Performance	Affiliate Performance	Benchmark
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	10	339	146	2.321917808			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	18	575	109	5.275229358			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	23	3	1	3		s	4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	37	37	13	2.846153846			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	41	5	2	2.5			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	53	120	42	2.857142857			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	54	480	185	2.594594595			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	67	46	19	2.421052632			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	70	5029	1939	2.593604951			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	71	2519	590	4.269491525			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	72	524	120	4.366666667			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	75	127	47	2.70212766			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	84	17834	2508	7.110845295			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	86	7	2	3.5			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	91	15903	3357	4.737265416			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	93	342	119	2.87394958			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	112	8	3	2.666666667			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	113	2293	723	3.171507607			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	118	295	117	2.521367521			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	120	356	149	2.389261745			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	128	262	2	131			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	131	8	2	4			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	140	109	43	2.534883721			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	146	5881	1244	4.727491961			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	155	11	5	2.2			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	160	135	56	2.410714286			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	163	503	209	2.406898565			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	174	35	15	2.333333333			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	177	6723	2843	2.36475554			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	180	29	12	2.416666667			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	187	4	2	2			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	205	28	6	4.666666667			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	224	655	259	2.528957529			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	232	6	2	3			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	233	34	15	2.266666667			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	234	1324	516	2.565891473			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	244	2	1	2			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	246	28	10	2.8			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	247	1972	421	4.684085511			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	257	59	11	5.363636364			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	260	2	1	2			4.7
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	27	535	21	25.47619048			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	53	151	10	15.1			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	70	101	9	11.22222222			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	72	29	1	29			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	76	22	1	22			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	93	55	4	13.75			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	155	1388	79	17.5443038			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	163	71	4	17.75			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	177	68002	3466	19.61973456			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	246	84	7	12			37
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	3	3	3	1			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	10	8833	3018	2.926772697			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	18	6262	2007	3.120079721			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	22	20	4	5			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	23	5	2	2.5			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	26	3	2	1.5			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	27	6	2	3			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	32	4	3	1.333333333			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	37	12389	3481	3.55903476			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	40	19	5	3.8			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	49	2215	633	3.499210111			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	53	95	46	2.065217391			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	54	411	222	1.851351351			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	61	588	245	2.4			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	63	1	1	1			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	70	3215	1890	1.701058201			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	71	59240	18279	3.24087751			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	72	1769	725	2.44			6.6
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	75	9054	2409	3.758405978			6.6

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 1, All CLECs) Oct - Dec 2000

Month	PM	Submeasure	Tracking	Geographic Disaggregation	CLEC ID	Eligible for Remedies	Permutation Test Used?	Use Affiliate Results?	Test Statistic	Critical Value	Z- Parity Status
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	10	YES			-2.37808	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	18	YES			0.57523	0	Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	23	YES			-1.7	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	37	YES			-1.85385	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	41	YES			-2.2	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	53	YES			-1.84266	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	54	YES			-2.10541	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	67	YES			-2.27895	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	70	YES			-2.1064	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	71	YES			-0.43051	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	72	YES			-0.33333	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	75	YES			-1.99787	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	84	YES			2.41085	0	Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	86	YES			-1.2	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	91	YES			0.03727	0	Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	93	YES			-1.82605	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	112	YES			-2.03333	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	113	YES			-1.52849	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	118	YES			-2.17863	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	120	YES			-2.31074	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	128	YES			126.3	0	Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	131	YES			-0.7	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	140	YES			-2.16512	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	146	YES			0.02749	0	Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	155	YES			-2.5	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	160	YES			-2.28929	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	163	YES			-2.2933	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	174	YES			-2.36667	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	177	YES			-2.33524	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	180	YES			-2.28333	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	187	YES			-2.7	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	205	YES			-0.03333	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	224	YES			-2.17104	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	232	YES			-1.7	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	233	YES			-2.43333	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	234	YES			-2.13411	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	244	YES			-2.7	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	246	YES			-1.9	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	247	YES			-0.01591	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	257	YES			0.66364	0	Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	260	YES			-2.7	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	27	NO			-11.52381	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	53	NO			-21.9	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	70	NO			-25.77778	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	72	NO			-8	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	76	NO			-15	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	93	NO			-23.25	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	155	NO			-19.4557	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	163	NO			-19.25	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	177	NO			-17.38027	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	246	NO			-25	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	3	YES			-5.6	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	10	YES			-3.67323	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	18	YES			-3.47992	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	22	YES			-1.6	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	23	YES			-4.1	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	26	YES			-5.1	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	27	YES			-3.6	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	32	YES			-5.26667	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	37	YES			-3.04097	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	40	YES			-2.8	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	49	YES			-3.10079	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	53	YES			-4.53478	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	54	YES			-4.74865	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	61	YES			-4.2	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	63	YES			-5.6	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	70	YES			-4.89694	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	71	YES			-3.35912	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	72	YES			-4.16	0	Parity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	75	YES			-2.84159	0	Parity

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 1, All CLECs) Oct - Dec 2000

Month	PM	Submeasure	Tracking	Geographic Disaggregation	CLEC ID	# of Months in Disparity	Threshold Value	Capped/ Per Measure	# of obs paid on	Final Remedy
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	10	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	18	1	4.7	Capped	14	700
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	23	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	37	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	41	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	53	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	54	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	67	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	70	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	71	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	72	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	75	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	84	1	4.7	Capped	1,287	10000
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	86	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	91	1	4.7	Capped	27	1350
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	93	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	112	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	113	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	118	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	120	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	128	1	4.7	Capped	2	100
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	131	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	140	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	146	1	4.7	Capped	8	400
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	155	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	160	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	163	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	174	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	177	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	180	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	187	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	205	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	224	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	232	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	233	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	234	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	244	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	246	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	247	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	257	1	4.7	Capped	2	100
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	260	0	4.7	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	27	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	53	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	70	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	72	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	76	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	93	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	155	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	163	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	177	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	246	0	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	3	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	10	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	18	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	22	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	23	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	26	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	27	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	32	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	37	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	40	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	49	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	53	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	54	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	61	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	63	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	70	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	71	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	72	0	6.6	Capped		0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	75	0	6.6	Capped		

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 2) using September-November data

Month	PM	Submeasure	Tracking	Geographic Disaggregation	CLEC Numerator	CLEC Denominator	CLEC Performance	Retail Performance	Affiliate Performance	Benchmark	Excluded due to Metro Area?
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	113768	16129	7.053692107			4.7	
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	26641	1077	24.73630455			37	
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	551748	114452	4.820780764			6.6	
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Telephone Number (seconds)	2	ALL	35401	6264	5.651500639			4.5	
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Dispatch Required (seconds)	7	ALL	11804	1256	9.398089172			12.6	
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - PIC (seconds)	8	ALL	10	52	0.192307692			28	
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Service Availability (seconds)	5	ALL	84	224	0.375			6.6	
September 2000	2	Percent Responses Received Within 12.0 Seconds - Address Verification	333	ALL	14134	15851	0.891678758			0.95	
September 2000	2	Percent Responses Received Within 12.0 Seconds - Service Availability	338	ALL	224	224	1			0.9	
September 2000	2	Percent Responses Received Within 13.0 Seconds - Request for Customer Service Record	337	ALL	106831	112074	0.953218409			0.95	
September 2000	2	Percent Responses Received Within 15.0 Seconds - Dispatch Required	342	ALL	981	1142	0.859019264			0.9	
September 2000	2	Percent Responses Received Within 16.0 Seconds - Service Availability	339	ALL	224	224	1			0.95	
September 2000	2	Percent Responses Received Within 20.0 Seconds - DSL (seconds)	789	ALL	431	1029	0.418853256			0.9	
September 2000	2	Percent Responses Received Within 25.0 Seconds - DSL (seconds)	790	ALL	617	1029	0.599511273			0.95	
September 2000	2	Percent Responses Received Within 25.0 Seconds - Dispatch Required	343	ALL	1085	1142	0.950087566			0.95	
September 2000	2	Percent Responses Received Within 39.0 Seconds - PIC	344	ALL	52	52	1			0.9	
September 2000	2	Percent Responses Received Within 60.0 Seconds - PIC	345	ALL	52	52	1			0.95	
September 2000	2	Percent Responses Received Within 7.0 Seconds - Request for Telephone Number	334	ALL	4836	6264	0.772030651			0.9	
September 2000	2	Percent Responses Received Within 8.0 Seconds - Address Verification	332	ALL	12267	15851	0.773894392			0.9	
September 2000	2	Percent Responses Received Within 8.0 Seconds - Request for Customer Service Record	336	ALL	98170	112074	0.875939112			0.9	
September 2000	2	Percent Responses Received Within 9.5 Seconds - Request for Telephone Number	335	ALL	5423	6264	0.865740741			0.95	
September 2000	2	Percent Responses Received Within X Seconds - Address Verification	909	ALL	12267	15851	0.773894392			0.9	
September 2000	2	Percent Responses Received Within X Seconds - DSL (seconds)	917	ALL	431	1029	0.418853256			0.9	
September 2000	2	Percent Responses Received Within X Seconds - Dispatch Required	914	ALL	981	1142	0.859019264			0.9	
September 2000	2	Percent Responses Received Within X Seconds - PIC	915	ALL	52	52	1			0.95	
September 2000	2	Percent Responses Received Within X Seconds - Request for Customer Service Record	911	ALL	98170	112074	0.875939112			0.9	
September 2000	2	Percent Responses Received Within X Seconds - Request for Telephone Number	910	ALL	4836	6264	0.772030651			0.9	
September 2000	2	Percent Responses Received Within X Seconds - Service Availability	912	ALL	224	224	1			0.95	
September 2000	4	OSS Interface Availability - Access Service Request	12	ALL	437.4333333	443	0.987434161			0.995	
September 2000	4	OSS Interface Availability - EB/TA - Design / UNEs	300	ALL	581.05	609	0.95410509			0.995	
September 2000	4	OSS Interface Availability - EB/TA - POTS	13	ALL	633.55	664	0.954141566			0.995	
September 2000	4	OSS Interface Availability - EDI	11	ALL	379	380	0.997368421			0.995	
September 2000	4	OSS Interface Availability - Pre-Ordering	10	ALL	396	396	1			0.995	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1011	ALL	137911.75	2494	55.29741379			28.8	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) < 24 Hours	835	ALL	1025	3519	0.291275931			0.9	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (> 200 Lines) - Avg for FOCs > 48 Hours	1012	ALL	72.28	1	72.28			57.6	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (> 200 Lines) < 48 Hours	836	ALL	6	7	0.857142857			0.9	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - < 24 hrs	21	ALL	111	119	0.932773109			28.8	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	390	ALL	370.65	8	46.33125			0.95	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - < 6 days	1005	ALL	9	44	0.204545455			7.2	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - Avg for FOCs > 6 days	1007	ALL	528	35	15.08571429			0.95	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - < 8 days	1006	ALL	5	13	0.384615385			9.6	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - Avg for FOCs >8 days	1008	ALL	229	8	28.625			0.95	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - < 5 hrs	20	ALL	19633	20203	0.971786368			6	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - Avg for FOCS > 5 hrs	389	ALL	7727.07	570	13.55626316			0.95	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - < 5 hrs	23	ALL	11651	13052	0.892660129			6	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - Avg or FOCs > 5 hrs	392	ALL	39991.25	1401	28.54478944			0.94	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - < 48 hrs	24	ALL	3	3	1			57.6	
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - Avg for FOCs > 48 hrs	393	ALL	2	0				28.8	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1009	ALL	327.8	2	163.9			0.9	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) < 24 Hours	833	ALL	28	30	0.933333333			0.94	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - < 24 hrs	15	ALL	418	448	0.933035714			28.8	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	384	ALL	869.28	30	28.976			0.94	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (> 200 Lines) - < 48 hrs	16	ALL	2	2	1			57.6	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (> 200 Lines) - Avg for FOCs > 48 hrs	385	ALL						0.95	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - < 24 hrs	14	ALL	8650	8754	0.988119717			28.8	
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - Avg for FOCs > 24 hrs	383	ALL	4150.74	104	39.81096154				
September 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (1-200 Lines) (hours)	839	ALL	148155.86	3519	42.10169366				
September 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (>200 Lines) (hours)	840	ALL	88.03	7	12.57571429				
September 2000	6	Average Time to Return FOC - Electronically Requested - Complex Business (1 - 200 Lines) (hours)	353	ALL	1348.53	119	11.33218487				
September 2000	6	Average Time to Return FOC - Electronically Requested - Interconnection Trunks (hours)	1013	ALL	787	57	13.80701754				
September 2000	6	Average Time to Return FOC - Electronically Requested - Simple Residence & Business (hours)	352	ALL	36665.06	20203	1.814832451				
September 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (> = 50 Loops) (hours)	356	ALL	1.97	3	0.656666667				
September 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (1 - 49 Loops) (hours)	355	ALL	57749.69	13052	4.424585504		4.699912162		
September 2000	6	Average Time to Return FOC - Manually Requested - CIA Centrex (1-200 Lines) (hours)	837	ALL	734.16	30	24.472				
September 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (> 200 Lines) (hours)	348	ALL	36.4	2	18.2				
September 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (1 - 200 Lines) (hours)	347	ALL	6238.34	448	13.92486607		9.695		
September 2000	6	Average Time to Return FOC - Manually Requested - Residence & Business (hours)	346	ALL	121435.48	8754	13.87199909				
September 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - Resale	647	ALL	14641	26559	0.551263225			0.99	

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 2) using September-November data

Month	PM	Submeasure	Tracking	Geographic Disaggregation	Eligible for Remedies	Permutation Test Used?	Use Affiliate Results?	Test Statistic	Critical Value	Z-
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	YES			2.35369		0
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	NO			-12.2637		0
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	YES			-1.77922		0
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Telephone Number (seconds)	2	ALL	YES			1.1515		0
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Dispatch Required (seconds)	7	ALL	YES			-3.20191		0
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - PIC (seconds)	8	ALL	YES			-27.80769		0
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Service Availability (seconds)	5	ALL	YES			-8.225		0
September 2000	2	Percent Responses Received Within 12.0 Seconds - Address Verification	333	ALL	YES			5.83212		0
September 2000	2	Percent Responses Received Within 12.0 Seconds - Service Availability	338	ALL	YES			-10		0
September 2000	2	Percent Responses Received Within 13.0 Seconds - Request for Customer Service Record	337	ALL	YES			-0.32184		0
September 2000	2	Percent Responses Received Within 15.0 Seconds - Dispatch Required	342	ALL	YES			4.09807		0
September 2000	2	Percent Responses Received Within 16.0 Seconds - Service Availability	339	ALL	YES			-5		0
September 2000	2	Percent Responses Received Within 20.0 Seconds - DSL (seconds)	789	ALL	NO			48.11467		0
September 2000	2	Percent Responses Received Within 25.0 Seconds - DSL (seconds)	790	ALL	NO			35.03887		0
September 2000	2	Percent Responses Received Within 25.0 Seconds - Dispatch Required	343	ALL	YES			-0.00876		0
September 2000	2	Percent Responses Received Within 39.0 Seconds - PIC	344	ALL	YES			-10		0
September 2000	2	Percent Responses Received Within 60.0 Seconds - PIC	345	ALL	YES			-5		0
September 2000	2	Percent Responses Received Within 7.0 Seconds - Request for Telephone Number	334	ALL	YES			12.79693		0
September 2000	2	Percent Responses Received Within 8.0 Seconds - Address Verification	332	ALL	YES			12.61056		0
September 2000	2	Percent Responses Received Within 8.0 Seconds - Request for Customer Service Record	336	ALL	YES			2.40609		0
September 2000	2	Percent Responses Received Within 9.5 Seconds - Request for Telephone Number	335	ALL	YES			8.42593		0
September 2000	2	Percent Responses Received Within X Seconds - Address Verification	909	ALL	NO			48.11467		0
September 2000	2	Percent Responses Received Within X Seconds - DSL (seconds)	917	ALL	YES			4.09807		0
September 2000	2	Percent Responses Received Within X Seconds - Dispatch Required	914	ALL	YES			-5		0
September 2000	2	Percent Responses Received Within X Seconds - PIC	915	ALL	YES			2.40609		0
September 2000	2	Percent Responses Received Within X Seconds - Request for Customer Service Record	911	ALL	YES			12.79693		0
September 2000	2	Percent Responses Received Within X Seconds - Request for Telephone Number	910	ALL	YES			-5		0
September 2000	2	Percent Responses Received Within X Seconds - Service Availability	912	ALL	YES			0.75858		0
September 2000	4	OSS Interface Availability - Access Service Request	12	ALL	YES			4.08949		0
September 2000	4	OSS Interface Availability - EB/TA - Design / UNEs	300	ALL	YES			4.08584		0
September 2000	4	OSS Interface Availability - EB/TA - POTS	13	ALL	YES			-0.23684		0
September 2000	4	OSS Interface Availability - EDI	11	ALL	YES			-0.5		0
September 2000	4	OSS Interface Availability - Pre-Ordering	10	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1011	ALL	YES			60.87241		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) < 24 Hours	835	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (> 200 Lines) - Avg for FOCs > 48 Hours	1012	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (> 200 Lines) < 48 Hours	836	ALL	YES			0.72269		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - < 24 hrs	21	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	390	ALL	YES			74.54545		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - < 6 days	1005	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - Avg for FOCs > 6 days	1007	ALL	YES			56.53846		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - < 8 days	1006	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - Avg for FOCs >8 days	1008	ALL	YES			-2.17664		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - < 5 hrs	20	ALL	YES			7.55628		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - Avg for FOCS > 5 hrs	389	ALL	YES			5.73399		0
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - < 5 hrs	23	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - Avg or FOCs > 5 hrs	392	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - < 48 hrs	24	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - Avg for FOCs > 48 hrs	393	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1009	ALL	YES			-3.33333		0
September 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) < 24 Hours	833	ALL	YES			0.69643		0
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - < 24 hrs	15	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	384	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (> 200 Lines) - < 48 hrs	16	ALL	NO					
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (> 200 Lines) - Avg for FOCs > 48 hrs	385	ALL	YES			-3.61197		0
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - < 24 hrs	14	ALL	YES			11.11096		0
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - Avg for FOCs > 24 hrs	383	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (1-200 Lines) (hours)	839	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (>200 Lines) (hours)	840	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - Complex Business (1 - 200 Lines) (hours)	353	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - Interconnection Trunks (hours)	1013	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - Simple Residence & Business (hours)	352	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (> = 50 Loops) (hours)	356	ALL	NO					
September 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (1 - 49 Loops) (hours)	355	ALL	NO					
September 2000	6	Average Time to Return FOC - Manually Requested - CIA Centrex (1-200 Lines) (hours)	837	ALL	NO					
September 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (> 200 Lines) (hours)	348	ALL	NO					
September 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (1 - 200 Lines) (hours)	347	ALL	NO					
September 2000	6	Average Time to Return FOC - Manually Requested - Residence & Business (hours)	346	ALL	NO			43.87368		0
September 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - Resale	647	ALL	NO					

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 2) using September-November data

Month	PM	Submeasure	Tracking	Geographic Disaggregation	Parity Status	# of Months in Disparity	Threshold Value	Capped/ Per Measure	# of obs paid on	Final Remedy
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1 ALL		Disparity	1	4.7	Capped		
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774 ALL		Parity	0	37			
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331 ALL		Parity	0	6.6	Capped		
September 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Telephone Number (seconds)	2 ALL		Disparity	1	4.5	Capped		
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Dispatch Required (seconds)	7 ALL		Parity	0	12.6	Capped		
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - PIC (seconds)	8 ALL		Parity	0	28	Capped		
September 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Service Availability (seconds)	5 ALL		Parity	0	6.6	Capped		
September 2000	2	Percent Responses Received Within 12.0 Seconds - Address Verification	333 ALL		Disparity	1	0.95	Capped		
September 2000	2	Percent Responses Received Within 12.0 Seconds - Service Availability	338 ALL		Parity	0	0.9	Capped		
September 2000	2	Percent Responses Received Within 13.0 Seconds - Request for Customer Service Record	337 ALL		Parity	0	0.95	Capped		
September 2000	2	Percent Responses Received Within 15.0 Seconds - Dispatch Required	342 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within 16.0 Seconds - Service Availability	339 ALL		Parity	0	0.95	Capped		
September 2000	2	Percent Responses Received Within 20.0 Seconds - DSL (seconds)	789 ALL		Disparity	1	0.9			
September 2000	2	Percent Responses Received Within 25.0 Seconds - DSL (seconds)	790 ALL		Disparity	1	0.95			
September 2000	2	Percent Responses Received Within 25.0 Seconds - Dispatch Required	343 ALL		Parity	0	0.95	Capped		
September 2000	2	Percent Responses Received Within 39.0 Seconds - PIC	344 ALL		Parity	0	0.9	Capped		
September 2000	2	Percent Responses Received Within 60.0 Seconds - PIC	345 ALL		Parity	0	0.95	Capped		
September 2000	2	Percent Responses Received Within 7.0 Seconds - Request for Telephone Number	334 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within 8.0 Seconds - Address Verification	332 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within 8.0 Seconds - Request for Customer Service Record	336 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within 9.5 Seconds - Request for Telephone Number	335 ALL		Disparity	1	0.95	Capped		
September 2000	2	Percent Responses Received Within X Seconds - Address Verification	909 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within X Seconds - DSL (seconds)	917 ALL		Disparity	1	0.9			
September 2000	2	Percent Responses Received Within X Seconds - Dispatch Required	914 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within X Seconds - PIC	915 ALL		Parity	0	0.95	Capped		
September 2000	2	Percent Responses Received Within X Seconds - Request for Customer Service Record	911 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within X Seconds - Request for Telephone Number	910 ALL		Disparity	1	0.9	Capped		
September 2000	2	Percent Responses Received Within X Seconds - Service Availability	912 ALL		Parity	0	0.95	Capped		
September 2000	4	OSS Interface Availibility - Access Service Request	12 ALL		Disparity	1	0.995	Per Measure		
September 2000	4	OSS Interface Availibility - EB/TA - Design / UNEs	300 ALL		Disparity	1	0.995	Per Measure		
September 2000	4	OSS Interface Availibility - EB/TA - POTS	13 ALL		Disparity	1	0.995	Per Measure		
September 2000	4	OSS Interface Availibility - EDI	11 ALL		Parity	0	0.995	Per Measure		
September 2000	4	OSS Interface Availibility - Pre-Ordering	10 ALL		Parity	0	0.995	Per Measure		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1011 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) < 24 Hours	835 ALL		Disparity	1	0.9	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (> 200 Lines) - Avg for FOCs > 48 Hours	1012 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (> 200 Lines) < 48 Hours	836 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - < 24 hrs	21 ALL		Disparity	1	0.94	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	390 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - < 6 days	1005 ALL		Disparity	1	0.95	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - Avg for FOCs > 6 days	1007 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - < 8 days	1006 ALL		Disparity	1	0.95	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - Avg for FOCs >8 days	1008 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - < 5 hrs	20 ALL		Parity	0	0.95	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - Avg for FOCS > 5 hrs	389 ALL		Disparity	1	6	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - < 5 hrs	23 ALL		Disparity	1	0.95	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - Avg or FOCs > 5 hrs	392 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - < 48 hrs	24 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - Avg for FOCs > 48 hrs	393 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1009 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) < 24 Hours	833 ALL		Parity	0	0.9	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - < 24 hrs	15 ALL		Disparity	1	0.94	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	384 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (> 200 Lines) - < 48 hrs	16 ALL								
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (> 200 Lines) - Avg for FOCs > 48 hrs	385 ALL		Parity	0	0.95	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - < 24 hrs	14 ALL		Disparity	1	26.8	Capped		
September 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - Avg for FOCs > 24 hrs	383 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (1-200 Lines) (hours)	839 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (>200 Lines) (hours)	840 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - Complex Business (1 - 200 Lines) (hours)	353 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - Interconnection Trunks (hours)	1013 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - Simple Residence & Business (hours)	352 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (> = 50 Loops) (hours)	356 ALL								
September 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (1 - 49 Loops) (hours)	355 ALL								
September 2000	6	Average Time to Return FOC - Manually Requested - CIA Centrex (1-200 Lines) (hours)	837 ALL								
September 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (> 200 Lines) (hours)	348 ALL								
September 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (1 - 200 Lines) (hours)	347 ALL								
September 2000	6	Average Time to Return FOC - Manually Requested - Residence & Business (hours)	346 ALL		Disparity	1	0.99			
September 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - Resale	647 ALL								

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 2) using October-December data

Month	PM	Submeasure	Tracking	Geographic Disaggregation	Actual CLEC Numerator	CLEC Denominator	CLEC Performance	Retail Performance	Affiliate Performance	Benchmark	Excluded due to Metro Area?
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	64652	15866	4.074877096			4.7	
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	70436	3602	19.55469184			37	
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	313683	92815	3.37965846			6.6	
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Telephone Number (seconds)	2	ALL	19882	5327	3.732307115			4.5	
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Dispatch Required (seconds)	7	ALL	6032	936	6.444444444			12.6	
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - PIC (seconds)	8	ALL	200	89	2.247191011			28	
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Service Availability (seconds)	5	ALL	1449	123	11.78046781			6.6	
October 2000	2	Percent Responses Received Within 12.0 Seconds - Address Verification	333	ALL	15469	15866	0.97497794			0.95	
October 2000	2	Percent Responses Received Within 12.0 Seconds - Service Availability	338	ALL	78	121	0.644628099			0.9	
October 2000	2	Percent Responses Received Within 13.0 Seconds - Request for Customer Service Record	337	ALL	91317	92815	0.983860367			0.95	
October 2000	2	Percent Responses Received Within 15.0 Seconds - Dispatch Required	342	ALL	885	936	0.945512821			0.9	
October 2000	2	Percent Responses Received Within 18.0 Seconds - Service Availability	339	ALL	102	121	0.842975207			0.95	
October 2000	2	Percent Responses Received Within 20.0 Seconds - DSL (seconds)	789	ALL	2131	3601	0.591780061			0.9	
October 2000	2	Percent Responses Received Within 25.0 Seconds - DSL (seconds)	790	ALL	2777	3601	0.771174674			0.95	
October 2000	2	Percent Responses Received Within 25.0 Seconds - Dispatch Required	343	ALL	919	936	0.981837607			0.95	
October 2000	2	Percent Responses Received Within 39.0 Seconds - PIC	344	ALL	89	89	1			0.9	
October 2000	2	Percent Responses Received Within 60.0 Seconds - PIC	345	ALL	89	89	1			0.95	
October 2000	2	Percent Responses Received Within 7.0 Seconds - Request for Telephone Number	334	ALL	4867	5327	0.913647456			0.9	
October 2000	2	Percent Responses Received Within 8.0 Seconds - Address Verification	332	ALL	14634	15866	0.922349679			0.9	
October 2000	2	Percent Responses Received Within 8.0 Seconds - Request for Customer Service Record	336	ALL	88344	92815	0.951828907			0.9	
October 2000	2	Percent Responses Received Within 9.5 Seconds - Request for Telephone Number	335	ALL	5107	5327	0.958700957			0.95	
October 2000	2	Percent Responses Received Within X Seconds - Address Verification	909	ALL	14634	15866	0.922349679			0.9	
October 2000	2	Percent Responses Received Within X Seconds - DSL (seconds)	917	ALL	2131	3601	0.591780061			0.9	
October 2000	2	Percent Responses Received Within X Seconds - Dispatch Required	914	ALL	919	936	0.981837607			0.95	
October 2000	2	Percent Responses Received Within X Seconds - PIC	915	ALL	89	89	1			0.95	
October 2000	2	Percent Responses Received Within X Seconds - Request for Customer Service Record	911	ALL	91317	92815	0.983860367			0.95	
October 2000	2	Percent Responses Received Within X Seconds - Request for Telephone Number	910	ALL	5107	5327	0.958700957			0.95	
October 2000	2	Percent Responses Received Within X Seconds - Service Availability	912	ALL	78	121	0.644628099			0.9	
October 2000	4	OSS Interface Availibility - Access Service Request	12	ALL	447.5	448	0.998883929			0.995	
October 2000	4	OSS Interface Availibility - EB/TA - Design / UNEs	300	ALL	626.1	629	0.995389507			0.995	
October 2000	4	OSS Interface Availibility - EB/TA - POTS	13	ALL	678.45	681.5	0.995524578			0.995	
October 2000	4	OSS Interface Availibility - EDI	11	ALL	399	400	0.9975			0.995	
October 2000	4	OSS Interface Availibility - Pre-Ordering	10	ALL	400	400	1			0.995	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1011	ALL	6642.45	156	42.57980769			28.8	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) < 24 Hours	835	ALL	2816	2972	0.947510094			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - < 24 hrs	21	ALL	92	97	0.948453608			0.94	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	390	ALL	885.58	5	177.116			28.8	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - interconnection Trunks (< 5 DS1) - < 6 days	1005	ALL	13	93	0.139784946			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - interconnection Trunks (< 5 DS1) - Avg for FOCs > 8 days	1007	ALL	1569	80	19.6125			7.2	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - < 8 days	1006	ALL	10	37	0.27027027			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - Avg for FOCs >8 days	1008	ALL	582	27	21.55555556			9.6	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - < 5 hrs	20	ALL	23719	24002	0.988209316			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - Avg for FOCS > 5 hrs	389	ALL	15084.29	283	53.30137809			6	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - < 5 hrs	23	ALL	12460	13071	0.953255298			0.85	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - Avg or FOCs > 5 hrs	392	ALL	31401.55	611	51.39369885			6	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - < 48 hrs	24	ALL	2	2	1			0.94	
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - Avg for FOCs > 48 hrs	393	ALL		0				57.6	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1009	ALL		0				28.8	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) < 24 Hours	833	ALL	5	5	1			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - < 24 hrs	15	ALL	228	232	0.982758621			0.94	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	384	ALL	142	4	35.5			28.8	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - < 24 hrs	14	ALL	4754	4779	0.99476876			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - Avg for FOCs > 24 hrs	383	ALL	2087.97	25	83.5188			28.8	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - UNE Loop (1 - 49 Loops) - < 24 hrs	17	ALL	109	118	0.923728814			0.95	
October 2000	5	% FOCs Returned within "X" hrs - Man Req - UNE Loop (1 - 49 Loops) - Avg for FOCs > 24 hrs	386	ALL	834.83	9	92.75888889			28.8	
October 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (1-200 Lines) (hours)	839	ALL	33988.99	2972	11.4364031				
October 2000	6	Average Time to Return FOC - Electronically Requested - Complex Business (1 - 200 Lines) (hours)	353	ALL	1765.67	97	18.20276351				
October 2000	6	Average Time to Return FOC - Electronically Requested - Interconnection Trunks (hours)	1013	ALL	2222	130	17.09230769				
October 2000	6	Average Time to Return FOC - Electronically Requested - Simple Residence & Business (hours)	352	ALL	47070.27	24002	1.961097825				
October 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (> = 50 Loops) (hours)	356	ALL	36.21	2	18.105				
October 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (1 - 49 Loops) (hours)	355	ALL	47537.11	13071	3.636838036	4.030821855			
October 2000	6	Average Time to Return FOC - Manually Requested - CIA Centrex (1-200 Lines) (hours)	837	ALL	91.38	5	18.276				
October 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (1 - 200 Lines) (hours)	347	ALL	3252	232	14.01724138				
October 2000	6	Average Time to Return FOC - Manually Requested - Residence & Business (hours)	346	ALL	36558.58	4779	7.649838878				
October 2000	6	Average Time to Return FOC - Manually Requested - UNE Loop (1 - 49 Loops) (hours)	349	ALL	1232.91	118	10.44838983				
October 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - Resale	647	ALL	26159	31961	0.818466256			0.99	
October 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - UNE	648	ALL	12771	13190	0.96823351			0.99	
October 2000	7.1	% Mechanized Completions Returned Within One Day Of Work Completion - Resale	649	ALL	26047	31715	0.821283304			0.99	
October 2000	7.1	% Mechanized Completions Returned Within One Day Of Work Completion - UNE	650	ALL	11940	13165	0.906950247			0.99	

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 2) using October-December data

Month	PM	Submeasure	Tracking	Geographic Disaggregation	Eligible for Remedies	Permutation Test Used?	Use Affiliate Results?	Test Statistic	Critical Value	Z-Value	Parity Status	# of Months in Disparity
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1 ALL		YES			-0.62512		0	Parity	0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774 ALL		NO			-17.44531		0	Parity	0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331 ALL		YES			-3.22034		0	Parity	0
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Telephone Number (seconds)	2 ALL		YES			-0.76769		0	Parity	0
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Dispatch Required (seconds)	7 ALL		YES			-6.15556		0	Parity	0
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - PIC (seconds)	8 ALL		YES			-25.75281		0	Parity	0
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Service Availability (seconds)	5 ALL		YES			5.18049		0	Disparity	1
October 2000	2	Percent Responses Received Within 12.0 Seconds - Address Verification	333 ALL		YES			-2.49779		0	Parity	0
October 2000	2	Percent Responses Received Within 12.0 Seconds - Service Availability	338 ALL		YES			25.53719		0	Disparity	1
October 2000	2	Percent Responses Received Within 13.0 Seconds - Request for Customer Service Record	337 ALL		YES			-3.38604		0	Parity	0
October 2000	2	Percent Responses Received Within 15.0 Seconds - Dispatch Required	342 ALL		YES			-4.55128		0	Parity	0
October 2000	2	Percent Responses Received Within 16.0 Seconds - Service Availability	339 ALL		YES			10.70248		0	Disparity	1
October 2000	2	Percent Responses Received Within 20.0 Seconds - DSL (seconds)	789 ALL		NO			30.82199		0	Disparity	1
October 2000	2	Percent Responses Received Within 25.0 Seconds - DSL (seconds)	790 ALL		NO			17.88253		0	Disparity	1
October 2000	2	Percent Responses Received Within 25.0 Seconds - Dispatch Required	343 ALL		YES			-3.18376		0	Parity	0
October 2000	2	Percent Responses Received Within 39.0 Seconds - PIC	344 ALL		YES			-10		0	Parity	0
October 2000	2	Percent Responses Received Within 60.0 Seconds - PIC	345 ALL		YES			-5		0	Parity	0
October 2000	2	Percent Responses Received Within 7.0 Seconds - Request for Telephone Number	334 ALL		YES			-1.36475		0	Parity	0
October 2000	2	Percent Responses Received Within 8.0 Seconds - Address Verification	332 ALL		YES			-2.23497		0	Parity	0
October 2000	2	Percent Responses Received Within 8.0 Seconds - Request for Customer Service Record	336 ALL		YES			-5.18289		0	Parity	0
October 2000	2	Percent Responses Received Within 9.5 Seconds - Request for Telephone Number	335 ALL		YES			-0.8701		0	Parity	0
October 2000	2	Percent Responses Received Within X Seconds - Address Verification	909 ALL		YES			-2.23497		0	Parity	0
October 2000	2	Percent Responses Received Within X Seconds - DSL (seconds)	917 ALL		NO			30.82199		0	Disparity	1
October 2000	2	Percent Responses Received Within X Seconds - Dispatch Required	914 ALL		YES			-3.18376		0	Parity	0
October 2000	2	Percent Responses Received Within X Seconds - PIC	915 ALL		YES			-5		0	Parity	0
October 2000	2	Percent Responses Received Within X Seconds - Request for Customer Service Record	911 ALL		YES			-3.38604		0	Parity	0
October 2000	2	Percent Responses Received Within X Seconds - Request for Telephone Number	910 ALL		YES			-0.8701		0	Parity	0
October 2000	2	Percent Responses Received Within X Seconds - Service Availability	912 ALL		YES			25.53719		0	Disparity	1
October 2000	4	OSS Interface Availability - Access Service Request	12 ALL		YES			-0.38639		0	Parity	0
October 2000	4	OSS Interface Availability - EB/TA - Design / UNEs	300 ALL		YES			-0.03895		0	Parity	0
October 2000	4	OSS Interface Availability - EB/TA - POTS	13 ALL		YES			-0.05248		0	Parity	0
October 2000	4	OSS Interface Availability - EDI	11 ALL		YES			-0.25		0	Parity	0
October 2000	4	OSS Interface Availability - Pre-Ordering	10 ALL		YES			-0.5		0	Parity	0
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1011 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) < 24 Hours	835 ALL		YES			0.24899		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - < 24 hrs	21 ALL		YES			-0.84536		0	Parity	0
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	390 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - < 6 days	1005 ALL		YES			81.02151		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - Avg for FOCs > 6 days	1007 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - < 8 days	1006 ALL		YES			67.97297		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - Avg for FOCs >8 days	1008 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - < 5 hrs	20 ALL		YES			-3.82093		0	Parity	0
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - Avg for FOCS > 5 hrs	388 ALL		YES			47.30138		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - < 5 hrs	23 ALL		YES			-0.32553		0	Parity	0
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - Avg or FOCs > 5 hrs	392 ALL		YES			45.3937		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - < 48 hrs	24 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - Avg for FOCs > 48 hrs	393 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1009 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) < 24 Hours	833 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - < 24 hrs	15 ALL		YES			-4.27586		0	Parity	0
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	384 ALL		NO							
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - < 24 hrs	14 ALL		YES			-4.47688		0	Parity	0
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - Avg for FOCs > 24 hrs	383 ALL		YES			54.7188		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Man Req - UNE Loop (1 - 49 Loops) - < 24 hrs	17 ALL		YES			2.62712		0	Disparity	1
October 2000	5	% FOCs Returned within "X" hrs - Man Req - UNE Loop (1 - 49 Loops) - Avg for FOCs > 24 hrs	386 ALL		NO							
October 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (1-200 Lines) (hours)	839 ALL		NO							
October 2000	6	Average Time to Return FOC - Electronically Requested - Complex Business (1 - 200 Lines) (hours)	353 ALL		NO							
October 2000	6	Average Time to Return FOC - Electronically Requested - Interconnection Trunks (hours)	1013 ALL		NO							
October 2000	6	Average Time to Return FOC - Electronically Requested - Simple Residence & Business (hours)	352 ALL		NO							
October 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (> = 50 Loops) (hours)	356 ALL		NO							
October 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (1 - 49 Loops) (hours)	355 ALL		NO							
October 2000	6	Average Time to Return FOC - Manually Requested - CIA Centrex (1-200 Lines) (hours)	837 ALL		NO							
October 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (1 - 200 Lines) (hours)	347 ALL		NO							
October 2000	6	Average Time to Return FOC - Manually Requested - Residence & Business (hours)	346 ALL		NO							
October 2000	6	Average Time to Return FOC - Manually Requested - UNE Loop (1 - 49 Loops) (hours)	349 ALL		NO							
October 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - Resale	647 ALL		NO			17.15337		0	Disparity	1
October 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - UNE	648 ALL		NO			2.17665		0	Disparity	1
October 2000	7.1	% Mechanized Completions Returned Within One Day Of Work Completion - Resale	649 ALL		NO			16.87167		0	Disparity	1
October 2000	7.1	% Mechanized Completions Returned Within One Day Of Work Completion - UNE	650 ALL		NO			8.30498		0	Disparity	1

ALJ Exhibit 2 Calculation of Payments Per Proposed Order (Tier 2) using October-December data

Month	PM	Submeasure	Tracking	Geographic Disaggregation	Threshold Value	Capped/ Per Measure	# of obs paid on	Final Remedy
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Address Verification (seconds)	1	ALL	4.7	Capped		
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - DSL (seconds)	774	ALL	37			
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Customer Service Record (seconds)	331	ALL	6.6	Capped		
October 2000	1	Avg Response Time For OSS Pre-Order Interfaces - Request For Telephone Number (seconds)	2	ALL	4.5	Capped		
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Dispatch Required (seconds)	7	ALL	12.8	Capped		
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - PIC (seconds)	8	ALL	28	Capped		
October 2000	1	Avg Response Time For Oss Pre-Order Interfaces - Service Availability (seconds)	5	ALL	6.6	Capped		
October 2000	2	Percent Responses Received Within 12.0 Seconds - Address Verification	333	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within 12.0 Seconds - Service Availability	338	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within 13.0 Seconds - Request for Customer Service Record	337	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within 15.0 Seconds - Dispatch Required	342	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within 16.0 Seconds - Service Availability	339	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within 20.0 Seconds - DSL (seconds)	789	ALL	0.9			
October 2000	2	Percent Responses Received Within 25.0 Seconds - DSL (seconds)	790	ALL	0.95			
October 2000	2	Percent Responses Received Within 25.0 Seconds - Dispatch Required	343	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within 39.0 Seconds - PIC	344	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within 60.0 Seconds - PIC	345	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within 7.0 Seconds - Request for Telephone Number	334	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within 8.0 Seconds - Address Verification	332	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within 8.0 Seconds - Request for Customer Service Record	336	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within 9.5 Seconds - Request for Telephone Number	335	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within X Seconds - Address Verification	909	ALL	0.9	Capped		
October 2000	2	Percent Responses Received Within X Seconds - DSL (seconds)	917	ALL	0.9			
October 2000	2	Percent Responses Received Within X Seconds - Dispatch Required	914	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within X Seconds - PIC	915	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within X Seconds - Request for Customer Service Record	911	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within X Seconds - Request for Telephone Number	910	ALL	0.95	Capped		
October 2000	2	Percent Responses Received Within X Seconds - Service Availability	912	ALL	0.9	Capped		
October 2000	4	OSS Interface Availibility - Access Service Request	12	ALL	0.995	Per Measure		
October 2000	4	OSS Interface Availibility - EB/TA - Design / UNEs	300	ALL	0.995	Per Measure		
October 2000	4	OSS Interface Availibility - EB/TA - POTS	13	ALL	0.995	Per Measure		
October 2000	4	OSS Interface Availibility - EDI	11	ALL	0.995	Per Measure		
October 2000	4	OSS Interface Availibility - Pre-Ordering	10	ALL	0.995	Per Measure		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1011	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - CIA Centrex (1-200 Lines) < 24 Hours	835	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - < 24 hrs	21	ALL	0.94	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	390	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - < 6 days	1005	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (< 5 DS1) - Avg for FOCs > 6 days	1007	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - < 8 days	1006	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Interconnection Trunks (>= 5 DS1) - Avg for FOCs >8 days	1008	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - < 5 hrs	20	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - Res & Bus - Avg for FOCS > 5 hrs	389	ALL	6	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - < 5 hrs	23	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (1 - 49 Loops) - Avg or FOCs > 5 hrs	392	ALL	6	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - < 48 hrs	24	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Elec Req - UNE Loop (>= 50 Loops) - Avg for FOCs > 48 hrs	393	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) - Avg for FOCs > 24 Hours	1009	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Man Req - CIA Centrex (1-200 Lines) < 24 Hours	833	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - < 24 hrs	15	ALL	0.94	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Complex Bus (1 - 200 Lines) - Avg for FOCs > 24 hrs	384	ALL				
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - < 24 hrs	14	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Man Req - Res & Bus - Avg for FOCs > 24 hrs	383	ALL	28.8	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Man Req - UNE Loop (1 - 49 Loops) - < 24 hrs	17	ALL	0.95	Capped		
October 2000	5	% FOCs Returned within "X" hrs - Man Req - UNE Loop (1 - 49 Loops) - Avg for FOCs > 24 hrs	386	ALL				
October 2000	6	Average Time to Return FOC - Electronically Requested - CIA Centrex (1-200 Lines) (hours)	839	ALL				
October 2000	6	Average Time to Return FOC - Electronically Requested - Complex Business (1 - 200 Lines) (hours)	353	ALL				
October 2000	6	Average Time to Return FOC - Electronically Requested - Interconnection Trunks (hours)	1013	ALL				
October 2000	6	Average Time to Return FOC - Electronically Requested - Simple Residence & Business (hours)	352	ALL				
October 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (> = 50 Loops) (hours)	356	ALL				
October 2000	6	Average Time to Return FOC - Electronically Requested - UNE Loop (1 - 49 Loops) (hours)	355	ALL				
October 2000	6	Average Time to Return FOC - Manually Requested - CIA Centrex (1-200 Lines) (hours)	837	ALL				
October 2000	6	Average Time to Return FOC - Manually Requested - Complex Business (1 - 200 Lines) (hours)	347	ALL				
October 2000	6	Average Time to Return FOC - Manually Requested - Residence & Business (hours)	346	ALL				
October 2000	6	Average Time to Return FOC - Manually Requested - UNE Loop (1 - 49 Loops) (hours)	349	ALL				
October 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - Resale	647	ALL	0.99			
October 2000	7	% Mechanized Completions Returned Within 1 Hour of Completion in Ordering Systems - UNE	648	ALL	0.99			
October 2000	7.1	% Mechanized Completions Returned Within One Day Of Work Completion - Resale	649	ALL	0.99			
October 2000	7.1	% Mechanized Completions Returned Within One Day Of Work Completion - UNE	650	ALL	0.99			

Ameritech Responses to Questions from February 19, 2002 Review

Question 1.   Please provide a separate column in the spreadsheets showing the number of "occurrences" on which payments were assessed for all measures on which payments were assessed.

Response 1.   The number of occurrences for each measure for which remedies apply is included in the additional column titled "# of Obs Paid On" included within the spreadsheets.

Question 2.   Please provide a separate narrative listing the various columns in the spreadsheet and describing the calculations used to generate numbers, where calculations were made.

Response 2.   Information describing each column is included in the table below.

Descriptions of Columns in ALJ Proposed Remedy Plan Results	
Spreadsheet Column	**Description of Derivation/Source of Data**
Month	Month of Data
PM	Measure # from Business rules
Submeasure	Submeasure
Tracking	Numeric ID corresponding to Submeasure Name (see Schedule 6 for glossary of codes)
Geographic Disaggregation	Metro Area - "All" is the state level
CLEC ID	Unique ID for reporting of the submeasure results for a specific CLEC
CLEC Numerator	Defined in Business Rules for particular submeasure
CLEC Denominator	Defined in Business Rules for particular submeasure
CLEC Performance	CLEC Numerator / CLEC Denominator as defined in Business Rules for particular submeasure
Retail Performance	Retail performance for comparison as defined in Business Rules for particular submeasure
Affiliate Performance	Affiliate performance for comparison as defined in Business Rules for particular submeasure
Benchmark	Defined in Business Rules for particular submeasure; blank if benchmark not applicable
Excluded Due to Metro Areas? (Applicable to Tier 2 Only)	Only applies to Tier 2 when both state level and individual metro area data are reported. A value of "Yes" when the Geographic Disaggregation is "ALL" indicates that there are three months of individual metro area data available so the state level data is not used in the remedy calculations. A value of "Yes" when the Geographic Disaggregation is NOT "ALL" indicates that there are not three months of individual metro area data available so that only the state level data is used in the remedy calculations.
Eligible for Remedies	Indicates whether or not this measure was eligible for remedies based on the business rules as well as the geographic region and month. If Yes, it could potential have a final remedy greater than $0. If no, remedy calculations are not performed.

Descriptions of Columns in ALJ Proposed Remedy Plan Results	
Spreadsheet Column	**Description of Derivation/Source of Data**
Permutation Test Used?	Indicates whether a permutation test was used for this measure. Under the Proposed Order a permutation test is only used for parity measures when the CLEC Denominator or Retail Denominator is less than 30. For the following measures detail data was not available to perform permutation tests where applicable: PM#106 (September & October), PM#111 (September), and PM#MI12 (September and October).
Use Affiliate Results?	Indicates whether or not affiliate data was used. Affiliate data is only used when affiliate performance is better than retail performance and a test statistic can be calculated for the affiliate data.
Test Statistic	This is the reported Z-value based on the Z-statistics outlined in the Proposed Order. This is blank for diagnostic measures that are defined in the business rules. For permutation p-values of 0 and 1, Z-Values are reported as -999.99 and 999.99 rather than leaving them undefined.
Critical Z-Value	This is 0 for benchmark measures, 1.645 for parity measures, and blank for diagnostic measures
Parity Status	The measure is in parity if the Test statistic is less than or equal to the Critical Value. It is in disparity if the Test statistic is greater than the Critical Value.
# of Months In Disparity	Provides the number of consecutive months this particular disaggregation for this sub-measure has been in disparity (starting with October 2000 results for Tier 1 and September 2000 results for Tier 2; for Tier 2, 3 consecutive months disparity cannot occur until November 2000)
Threshold Value	This is the minimum performance for the CLEC that would still have been considered in parity under the applicable test.
Capped/Per measure	"Capped" measures are per occurrence measures with caps as defined in the business rules. "Per measure" are measures with set remedy regardless of the number of observations as defined in the business rules.
# of Obs Paid On	Intermediate step used and applied as defined in the remedy formulas documented in Section 11.0 of the ALJ Proposed Remedy Plan
Final Remedy	Calculated using the remedy formulas documented in Section 11.0 of the ALJ Proposed Remedy plan. For "per occurrence" measures, it can be recalculated by multiplying the column marked "# of Obs Paid On" by the applicable per-occurrence amounts.

Question 3.   Please provide an example of a permutation calculation for one interval (average), one percentage/ proportion, and one rate/ratio

Response 3.   Included below are three examples of permutation calculations – an Average PM, a Percentage PM, and a Rate PM. Details of the data used are included in the spreadsheet accompanying this document (Schedule 5) under the tabs of the same names as the tables.

PERMUTATION EXAMPLE #1 – AVERAGE MEASURE
PM 27 - Mean Installation Interval - POTS - Bus - No FW (Tracking # 35) – Undetermined - CLEC ID = 37 October 2000 (row 2493)

1. **Choose a sufficiently large number T.**

   In this case, there are 164 possible combinations. T = 164.

2. **Pool and mix the CLEC and ILEC data sets.**

   The 1 CLEC record and 163 retail records are pooled.

3. **Randomly subdivide the pooled data sets into two pools, one the same size as the original CLEC data set (n_{CLEC}) and one reflecting the remaining data points, (which is equal to the size of the original ILEC data set or n_{ILEC}).**

   Randomly pick 1 observation to be the new CLEC data set. The remaining 163 observations are the new affiliate data set.

4. **Compute and store the Z-test score (Z_S) for this sample.**

   In this case, we will have one of three outcomes.

   a. CLEC performance = 0 and retail performance = 0.264. Z_S = -0.165.

   b. CLEC performance = 1 and retail performance = 0.258. Z_S = 0.465.

   c. CLEC performance = 20 and retail performance = 0.141. Z_S = 56.696.

5. **Repeat steps 3 and 4 for the remaining T-1 sample pairs to be analyzed. (If the number of possibilities is less than 1 million, include a programmatic check to prevent drawing the same pair of samples more than once).**

   Repeat steps 3 and 4 163 more times in order to have each of the 164 combinations.

6. **Order the Z_S results computed and stored in step 4 from lowest to highest.**

   We now have 164 calculated Z-test scores. There will be 140 outcomes where the Z-test score is -0.165; 23 outcomes where Z_S = 0.465; and 1 outcome where Z_S = 56.696. Place them in order from lowest to highest.

7. **Compute the Z-test score for the original two data sets and find its rank in the ordering determined in step 6.**

   The Z-test score of the original data is ZS = 0.465. The rank is 140 out of 164. There are 140 Z-test scores that are lower than the Z-test score for the original two data sets.

8. **To calculate P, divide the rank of the Z-test score as determined in step 7 by the number of total runs executed. (P = rank/T).**

   P = 140 ÷ 164 = 0.8537.

9. **Using a cumulative standard normal distribution table, find the value ZA such that the probability (or cumulative area under the standard normal curve) is equal to P calculated in step 8.**

   For P=0.8537, ZA = 1.05 using a cumulative standard normal distribution table.

PERMUTATION EXAMPLE #2 – PERCENTAGE EXAMPLE
PM 28 - % Installs Completed W/in 5 Bus. Days - POTS - Res - FW (Tracking # 410) - Undetermined - CLEC ID = 81 (row 3048)

1. **Calculate the P-Value by applying the Fisher Exact Test using the CLEC and retail data.**

   Apply the Fisher Exact Test to the CLEC data and the pooled data. Use the CLEC data (numerator = 11 and denominator= 12) and the pooled data (numerator=276 and denominator=397) as arguments in the hypergeometric distribution. The resulting p-value (using a software package or a printed table) is p-value = 0.0118. There is a 1.18% chance that the actual CLEC performance is worse than the retail performance.

2. **Convert the P-Value into a Z-Value using the standard normal distribution.**

   A p-value of 0.0118 results in a Z-value of -2.26.

PERMUTATION EXAMPLE #3 – RATIO EXAMPLE
PM 37 - Trouble Report Rate - POTS - Bus (Tracking # 56) - Illinois Nth Cent - CLEC ID = 13 - November 2000 (Row 16762)

1. **Choose a sufficiently large number T.**

   In this case, T is the number of combinations of the CLEC and affiliate data. T = 1,001 in this case.

2. **Pool and mix the CLEC and ILEC data sets.**

   The 10 CLEC records and 4 affiliate records are pooled.

3. **Randomly subdivide the pooled data sets into two pools, one the same size as the original CLEC data set (n_{CLEC}) and one reflecting the remaining data points, (which is equal to the size of the original ILEC data set or n_{ILEC}).**

   Randomly pick 10 observations to be the new CLEC data set. The remaining 4 observations are the new affiliate data set.

4. **Compute and store the Z-test score (Z_S) for this sample.**

   In this case, we will have one of two outcomes.

   a. CLEC performance = 0.1 and affiliate performance = 0. Z_S = 0.6325.

   b. CLEC performance = 0 and affiliate performance = 0.25. Z_S = -1.5811.

5. **Repeat steps 3 and 4 for the remaining T-1 sample pairs to be analyzed. (If the number of possibilities is less than 1 million, include a programmatic check to prevent drawing the same pair of samples more than once).**

   Repeat steps 3 and 4 1,000 more times in order to have each of the 1,001 combinations.

6. **Order the Z_S results computed and stored in step 4 from lowest to highest.**

   We now have 1,001 calculated Z-test scores. There will be 286 outcomes where the Z-test score is -1.5811, and 715 outcomes where Z_S = 0.6325. Place them in order from lowest to highest.

7. **Compute the Z-test score for the original two data sets and find its rank in the ordering determined in step 6.**

   The Z-test score of the original data is Z_S = 0.6325. The rank is 286 out of 1,001. There are 286 Z-test scores that are lower than the Z-test score for the original two data sets.

8. **To calculate P, divide the rank of the Z-test score as determined in step 7 by the number of total runs executed. (P = rank/T).**

   P = 286 ÷ 1,001 = 0.2857.

9. **Using a cumulative standard normal distribution table, find the value Z_A such that the probability (or cumulative area under the standard normal curve) is equal to P calculated in step 8.**

   For P=0.2857, Z_A = -0.57 using a cumulative standard normal distribution table.

Question 4.   Please explain why remedies were not calculated for items that showed a disparity in Measure Numbers 2 & 115.

Response 4.   For Measures 2 and 115 there are multiple benchmark standards; two for each disaggregation of PM #2, three for each disaggregation of PM #115. For example, the benchmarks for "address verification" under PM #2 are: 90 percent within 8 seconds, and 95 percent within 12 seconds. Only one remedy is assessed per disaggregation: If more than one benchmark for a single disaggregation is missed, remedies are assessed by using the benchmark that was missed to the greatest degree. Thus, in the data sets provided, the results of the test are shown for all benchmark comparisons, but the number of observations and the remedy amounts are calculated using only the result for each measure with the highest Z-value.

CONFIDENTIAL

Illinois Commerce Commission
Docket No. 01-0120
ALJ Exhibit 2
Schedule 5
Permutation Example #1 - Average Measure

PM 27 - Mean Installation Interval - POTS - Bus - Not Worcking# 35, Undetermin

This is an average measure where the CLEC has fewer than 30 observations so a permutation test is required.
The measure is compared to affiliate performance, since the affiliate performance is better than the retail performance.

CLEC Numerator	1		Retail Numerator	42		Permutation P-Value	0.8537
CLEC Denominator	1		Retail Denominator	163		Converted Z-Value	1.05
CLEC Performance	1		Retail Performance	0.258			

Observation by Observation - Data Required for Permutation				
CLEC Raw Data			Retail Raw Data	
Install	Days		Install	Days
1	1		1	0
			1	20
			1	0
			1	0
			1	0
			1	0
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Illinois Commerce Commission
Docket No. 01-0120
ALJ Exhibit 2
Schedule 5
Permutation Example #1 - Average Measure

Observation by Observation - Data Required for Permutation				
CLEC Raw Data			Retail Raw Data	
Install	Days		Install	Days
			1	0
			1	0
			1	0
			1	0
			1	0
			1	0
			1	0
			1	0
			1	0
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			1	1
			1	0

Observation by Observation Data Required for Permutation				
CLEC Raw Data			Retail Raw Data	
Install	Days		Install	Days
			1	0
			1	0
			1	0
			1	1
			1	0
			1	0
			1	0
			1	0
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			1	0
			1	0
CLEC Raw Data			1	0
			1	0

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Illinois Commerce Commission
Docket No. 01-0120
ALJ Exhibit 2
Schedule 5
Permutation Example #2 - Percentage Measure

PM 24.x% Installs Completed W/in 5 Bus. Days - Res - FW (6410) - Update (xxx) - CLEC (Dec) (xxx3010)					
This is a percentage measure where the CLEC has fewer than 30 observations so a permutation test is required. There is no need for detail data, the Fisher Exact Test is used.					
CLEC Numerator	11	Retail Numerator	265	Permutation P-Value	0.0118
CLEC Denominator	12	Retail Denominator	385	Converted Z-Value	-2.26
CLEC Performance	0.917	Retail Performance	0.688		

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Docket No. 01-0120
ALJ Exhibit 2
Schedule 5
Permutation Example #3 - Rate Measure

PM 37 - Trouble Report Rate - POTS - Bus (456) - Illinois Ntr Cent - CLEC ID - 1 - November 2000 (RDW 16782)					
This is a rate measure where the CLEC has fewer than 30 observations so a permutation test is required.					
The measure is compared to affiliate performance, since the affiliate performance is better than the retail performance.					
CLEC Numerator	1	Affiliate Numerator	0	Permutation P-Value	0.2857
CLEC Denominator	10	Affiliate Denominator	4	Converted Z-Value	-0.57
CLEC Performance	0.1	Affiliate Performance	0		

Observation by Observation Data Required for Permutation				
CLEC Raw Data			**Affiliate Raw Data**	
Line	Troubles		Line	Troubles
1	1		1	0
1	0		1	0
1	0		1	0
1	0		1	0
1	0			
1	0			
1	0			
1	0			
1	0			
1	0			